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PTO/SB/01A (08-03)

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**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION
USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention **DIGITAL CELL**

As the below named Inventor(s), I/we declare that:

This declaration is directed to:

- The attached application, or
 Application No 10/562,469, International filing date of June 25, 2004
 as amended on _____ (if applicable);

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application.

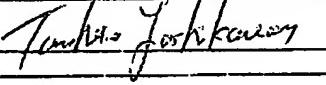
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that wilful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

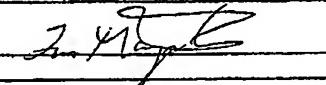
Inventor one: Masato MIYAKE Citizen of: Japan

Signature:  Date: 2006/02/21

Inventor two: Tomohiro YOSHIKAWA Citizen of: Japan

Signature:  Date: 2006/02/20

Inventor three: Jun MIYAKE Citizen of: Japan

Signature:  Date: 2006/02/13

Inventor four: _____ Citizen of: _____

Signature: _____ Date: _____

Additional inventors or a legal representative are being named on _____ additional form(s) attached hereto

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No 690115 401C1

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ELECTION AND POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM	Application Number	10/562,469
	International Filing Date	June 25, 2004
	First Named Inventor	Masato MIYAKE
	Title	DIGITAL CELL
	Art Unit	
	Examiner Name	
	Attorney Docket Number	690121.405USPC

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

Practitioners at Seed IP Law Group PLLC, Customer Number: 00500

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above (and any continuation/divisional applications therefrom), and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

The address associated with Customer Number:

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	ZIP	
Country			
Telephone	Email		

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

As assignee of record of the entire interest I/we hereby elect, under 37 CFR 3.71, to prosecute the application to the exclusion of the inventor(s).

SIGNATURE of Applicant or Assignee of Record

Signature	<i>Shigeru Iino</i>	Date	<i>23, Feb., 2006</i>
Name	<i>Shigeru Iino</i>		
Title and Company (Assignee)	<i>Director, Intellectual Property Department</i>		
NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY			

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. #595388_1 DOC

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PTO/SB/96 (09-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Masato MIYAKE, Tomohiro YOSHIKAWA, and Jun MIYAKE

Application No./Patent No.: 10/562,469 International Filing Date: June 25, 2004

Entitled: DIGITAL CELL

NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL
SCIENCE AND TECHNOLOGY

a

corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership,
university government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. An assignment from the inventor(s) of the patent application/patent identified above.
The assignment was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____ or for which a copy thereof is attached
OR
- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the
current assignee as shown below:

1 From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2 From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____ or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached

Additional documents in the chain of title are listed on a supplemental sheet

Copies of assignments or other documents in the chain of title noted in B above are
attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment
Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See
MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Shigeru Iino

Signature

23, Feb., 2006

Date

Shigeru Iino

Typed or printed name

Director, Intellectual Property Department
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including amount of time you require to complete this form and/or suggestions for reducing this burden. Any comments on the burden of this collection of information, or suggestions for reducing it, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No. 790086.406USPC

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ASSIGNMENT

WHEREAS, we, Masato MIYAKE, Tomohiro YOSHIKAWA and Jun MIYAKE (hereinafter referred to as ASSIGNORS), having mailing addresses of c/o AIST Kansai Amagasaki Site, 11-46, Nakoji 3-chome, Amagasaki-shi, Hyogo 661-0974 Japan; c/o AIST Kansai, Amagasaki Site, 11-46, Nakoji 3-chome Amagasaki-shi, Hyogo 661-0974 Japan and c/o AIST Kansai, Amagasaki Site 11-46, Nakoji 3-chome, Amagasaki-shi, Hyogo 661-0974 Japan respectively, are the joint inventors of an invention entitled " DIGITAL CELL " as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 10/562,469 This application is a national stage application filed under 35 U.S.C. 371 of International Application No PCT/JP2004/009404 , accorded an International Filing Date of June 25, 2004 ;

WHEREAS, NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (hereinafter referred to as ASSIGNEE), having a usual place of business at 1-3-1, Kasumigaseki, Chiyoda-ku, Tokyo 100-8921 Japan , is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

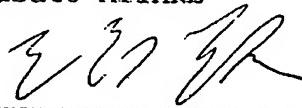
NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

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1.

Date: 2006/02/21

Assignor: Masato MIYAKE



Signature:

Date _____
(Type or Print)

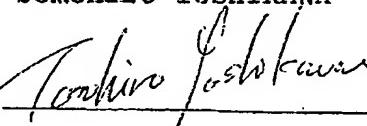
(Signature of Witness)

(Type or Print Name of Witness)

2

Date: 2006/02/20

Assignor: Tomohiro YOSHIKAWA



Signature:

Date _____
(Type or Print)

(Signature of Witness)

(Type or Print Name of Witness)

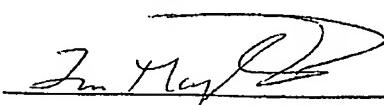
3

2006/02/13

Date: Jun Miyake

Date: Jun Miyake
(Type or Print)

Assignor: Jun MIYAKE



Signature:

(Signature of Witness)

(Type or Print Name of Witness)